

APPENDIX B

Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
1	Other	High	Low	160

Issue Name

Electronic Format of Basin Plan

Issue Summary

Convert the electronic format of the Basin Plan from WordPerfect into Word.

Watershed

Administrative

Hydrologic Unit

Administrative

Affected Waterbody(ies)

Administrative

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0	\$0.00	0.34	\$30,373.00	0.34	\$30,373.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
2	Beneficial Use	High	Low	155

Issue Name

Unnamed or Unidentified Waterbodies and Table Corrections

Issue Summary

Add the following unnamed or unidentified waterbodies to the Basin Plan. The following creek names below are reaches of existing streams that are either not currently identified or are identified as unnamed intermittent tributaries. Tables 2-2 and 3-2 should include: 903.12 Gird Creek, 905.32 Cloverdale Creek, 905.22 Green Valley Creek, 905.23 Felecita Creek, 911.30, Unnamed Tributary to Pine Creek (AKA South Pine Creek), 907.21 Aqueduct Arm Creek, 904.51 Cottonwood Creek, and Kit Carson Creek. Table 2-4 should include 902.36 Diamond Valley Reservoir and 905.21 Olivenhain Reservoir. Verify and correct as needed the name of the creek (Moonlight versus Cottonwood) referenced on page 2-54, endnote 7. Update list of Region's waterbodies on page 3-26. Correct endnote D to identify the Township as "14." Clarify information for HSA 903.14 in endnote "r" of the groundwater quality objectives table. Modify Table 3-3 to include a separate line for HSA 903.13 and HSA 903.14 in order to clarify which objectives actually apply to the aquifers mentioned in the endnote. Add Famosa Slough to Table 2-3. Famosa Slough was inadvertently omitted from Table 2-3, Beneficial Uses of Coastal Waters, and should be added as it supports a variety of wildlife. Correct Table 2-2, page 2-39 typo in 909.23. The name should be "Dehesa Valley," not Denesa Valley. On Table 2-2, page 2-37 designate the name "Pueblo San Diego Watershed" to include the surface waters listed in HU 908. Include the Irvine coast near Laguna Beach as an Area of Special Biological Significance (ASBS) on page 2-4 because this coastline is contiguous with the Irvine coast ASBS in Region 8.

Watershed

San Luis Rey River
San Luis Rey River
San Luis Rey River
San Marcos Creek

Hydrologic Unit

903.12
903.13
903.14
904.51

904.52
905.21
905.22
905.23
905.32

Affected Waterbody(ies)

Gird Creek
Groundwater
Groundwater
Moonlight/Cottonwood Creek, Kit Carson Creek
Moonlight/Cottonwook Creek
Olivenhain Reservoir
Green Valley Creek
Felecita Creek
Cloverdale Creek

San Diego River	907.21	Aqueduct Arm Creek
Tijuana River	911.30	Unnamed tributary to Pine Creek (AKA South Pine Creek)
Sweetwater River	909.23	Dehesa Valley
Santa Margarita River	902.36	Diamond Valley Reservoir
Unnamed Intermittal Coastal Streams	908	Surface waters in 908
San Diego River	907.11	Famosa Slough
Aliso Creek	901.10	Coastal Waters

Resource Estimations

Investigation

PY Dollars
0.34 \$30,373.00

Amendment

PY Dollars
0.61 \$54,637.00

Total

PY Dollars
0.95 \$85,010.00

Investigation

Running Sum

PY Dollars
0.68 \$60,746.00

Issue Submitted By

California Regional Water Quality Control Board Sierra Club

Prioritized No

3

Category

Other

Generalized Rank

High

Complexity

High

Score

154

Issue Name

Basin Plan Map

Issue Summary

Update the Basin Plan map incorporating new hydrologic boundaries and GIS information. Update beneficial uses and water quality objectives according to the newly revised map. Investigate the need to change the boundary between Region 8 and 9 near the area of Diamond Valley Reservoir and Goodhard Canyon because the creation of the reservoir has affected the drainage patterns. Reconcile nomenclature in the beneficial use tables for surface and ground water with the nomenclature on the Basin Map. Beneficial Use Table 2-2 for surface waters should include the acronyms for Hydrologic Unit (HU), Hydrologic Area (HA), or Hydrologic Subarea (HSA) as does Beneficial Use Table 2-5 for ground waters.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY Dollars
0.34 \$30,373.00

Amendment

PY Dollars
0.61 \$54,637.00

Total

PY Dollars
0.95 \$85,010.00

Investigation

Running Sum

PY Dollars
1.02 \$91,119.00

Issue Submitted By

California Regional Water Quality Control Board Construction Industry Coalition on Water Quality
Port of San Diego

Prioritized No	Category	Generalized Rank	Complexity	Score
4	Water Quality Objective	High	Low	153

Issue Name

Source or Criteria for Water Quality Objectives

Issue Summary

Identify the underlying source or criteria upon which each water quality objective is based (e.g., USEPA CTR criteria). Delete Appendix C of Basin Plan and put the reference information with each of the water quality objectives listed in Chapter 3. Delete the "in excess of 1 mg/l" water quality objective for toluene on page 3-10 of Basin Plan. This objective is duplicative with the Title 22 objective. Add language to the Basin Plan clarifying anthropogenic versus natural sources of pollutants including controllable water quality factors. The text on this issue was inadvertently omitted from Chapter 3 during the 1994 Basin Plan revision. Rename the Floating Material water quality objective "Floating and Non-Floating Material" and update the objective to include both floating and non-floating material because the non-floating material also causes a nuisance condition.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
1.36	\$121,492.00

Issue Submitted By

California Regional Water Quality Control Board 1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
5	Implementation Plan	High	Low	152

Issue Name

Compliance Time Schedules in NPDES Permits

Issue Summary

Add necessary language to the Basin Plan that provides for the establishment of compliance time schedules in NPDES permits.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
1.7	\$151,865.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
6	Water Quality Objective	High	High	141

Issue Name

Water Quality Objectives for Bacteria Indicators

Issue Summary

Update and clarify existing water quality objectives for bacteria indicators. Include language in Basin Plan Chapter 3 clarifying how objectives should be interpreted and implemented (e.g. applicability of E. coli and enterococcus for use in NPDES permitting). Additionally, develop implementation provisions for bacteria objectives for REC-1 beneficial use. Implementation provisions would not replace water quality objectives but would discuss provisions under which exceedances of water quality objectives would be allowed during wet weather conditions. Implementation provisions would incorporate a "reference watershed," or watershed that is minimally impacted by anthropogenic activities. Such a watershed has a certain amount of exceedances of the water quality objectives during rain events, and these exceedances are due to input from natural sources (wildlife).

TMDLs for bacteria would incorporate these implementation provisions as an alternative to using the water quality objectives as-written in the Basin Plan.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY
2.48
Dollars
\$222,421.00

Amendment

PY
1.17
Dollars
\$104,972.00

Total

PY
3.65
Dollars
\$327,394.00

Investigation

Running Sum

PY
4.18
Dollars
\$374,286.00

Issue Submitted By

California Regional Water Quality Control Board

County of Orange

USEPA Region 9

1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
7	Implementation Plan	High	Low	141

Issue Name

Essential Text Updates

Issue Summary

Make the following essential text updates to the Basin Plan: (A) Add introductory text to Chapter 4 to accommodate incorporation of TMDLs into Basin Plan. Clarify the types of waste(s) that are excepted from waste discharge prohibition #4. The Regional Board adopted Resolution 96-30 which provides an exception to waste discharge prohibition #4 in the Basin Plan. An evaluation of Resolution 96-30 is needed to clarify which waste(s) are excepted and why "untreated" waste was removed from the prohibition language. (B) Update Basin Plan text to reflect the current requirements outlined in the recently modified NPDES municipal storm water permits (MS4 permits). Existing Basin Plan text must be expanded to make clear that MS4 permits require dischargers to meet water quality standards in addition to reducing pollutants to the maximum extent practicable. (C) Update language regarding the NPDES construction storm water program to clarify recent permit changes and provide new information on current Phase II regulations. (D) Update Basin Plan section on Dairies (pages 4-79 and 4-80) to reflect the new USEPA final Concentrated Animal Feeding Operation (CAFO) Rule signed December 15, 2002. (E) Update and revise Basin Plan text pertaining to Chapter 15 references to reflect new regulations under Title 27, California Code of Regulations. (F) Clarify language in Chapter 4 that incorrectly refers to waste discharge requirements (WDRs) as "permits". Correct language that refers to discharges as being "authorized" by a WDR.

(G) Clarify the municipal ground water exclusion exemption and expand the definition of de-designated basins. The text should point out that while waters may be exempt from SWRCB Resolution No. 88-63, they are still protected under environmental laws and regulations. (H) Revise Table 4-6 in Basin Plan to include current water reclamation projects.

Watershed
Administrative

Hydrologic Unit
Administrative

Affected Waterbody(ies)
Administrative

Resource Estimations

Investigation

Amendment

Total

Investigation

Running Sum

PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0.61	\$54,637.00	0.95	\$85,010.00	4.52	\$404,659.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No

8

Category

Water Quality Objective

Generalized Rank

High

Complexity

High

Score

140

Issue Name

Dissolved Oxygen Water Quality Objective in Surface Waters

Issue Summary

Clarify the water quality objective language in the basin plan for dissolved oxygen. As currently worded, (text on page 3-8), the objective appears to only apply to inland surface waters and not enclosed bays and estuaries. However the Marine beneficial use is only designated for enclosed bays and estuaries and coastal waters. The water quality objective needs to be revised to provide a distinct dissolved oxygen water quality objective for inland surface waters and for enclosed bays and estuaries. During investigation of this issue the Regional Board will consider developing a site-specific numeric water quality objective for dissolved oxygen in San Diego Bay.

Watershed
Region-wide surface waters

Hydrologic Unit
Region-wide surface waters

Affected Waterbody(ies)
Region-wide surface waters

Resource Estimations

Investigation

Amendment

Total

Investigation

Running Sum

PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$222,421.00	1.17	\$104,972.00	3.65	\$327,394.00	7	\$627,080.00

Issue Submitted By

California Regional Water Quality Control Board USEPA Region 9

1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
9	Water Quality Objective	High	Medium	135

Issue Name

Water Quality Objective for Nitrate in Ground Water

Issue Summary

Evaluate the appropriateness of the current groundwater water quality objective for nitrate of 1.0 mg/l as N. Clarification is needed as to the appropriateness of the groundwater water quality objective for nitrate as NO₃ being 45 mg/l, 10 mg/l and 5 mg/l depending on the basin to which the discharge occurs. Determine if the nitrate objective should be expressed as Nitrite, Total Nitrogen, Nitrate, or a combination of the three. The current objective is well below the drinking water standard of 45 mg/L. A higher objective would continue to protect water supply beneficial uses and accommodate use of conventional wastewater treatment systems serving local residential and commercial development.

Watershed

Region-wide ground waters

Hydrologic Unit

Region-wide ground waters

Affected Waterbody(ies)

Region-wide ground waters

Resource Estimations

Investigation

PY Dollars
0.34 \$30,373.00

Amendment

PY Dollars
0.61 \$54,637.00

Total

PY Dollars
0.95 \$85,010.00

Investigation

Running Sum

PY Dollars
7.34 \$657,453.00

Issue Submitted By

California Regional Water Quality Control Board
Fuog Water Resources Inc.

Pauma Valley Community Services District
Watermaster, Santa Margarita River Watershed

Prioritized No	Category	Generalized Rank	Complexity	Score
10	Water Quality Objective	High	High	110

Issue Name

Total Dissolved Solids (TDS) Management Plan and Water Quality Objective for Chloride

Issue Summary

Develop a region-wide TDS management plan and strategy to proactively address the mounting TDS impacts on ground and surface waters, and better align TDS water quality objectives within the County Water Authority distribution region to reflect the imported water contributions. Adopt chloride objective to be consistent with USEPA criteria or provide antidegradation analysis to justify a chloride objective based on ambient water quality.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars
2.48 \$222,421.00

Amendment

PY Dollars
1.17 \$104,972.00

Total

PY Dollars
3.65 \$327,394.00

Investigation

Running Sum

PY Dollars
9.82 \$879,874.00

Issue Submitted By

County of San Diego

USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
11	Beneficial Use	High	High	109

Issue Name

Beneficial Uses for a REC-1 Subcategory

Issue Summary

Adopt a subcategory of REC-1 called "Wildlife Impacted Recreation" for waterbodies designated with REC-1 beneficial use which also support an abundance of wildlife (e.g. Children's Pool, La Jolla). In wildlife impacted areas achieving REC-1 standards for bacteria is difficult. Adoption of the subcategory "Wildlife Impacted Recreation" would reflect the natural levels of bacteria while providing protection to the non-contact recreation beneficial use (REC-2). I

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation

Running Sum

PY	Dollars
12.3	\$1,102,295.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
12	Water Quality Objective	High	Low	108

Issue Name

Copper and Lead Maximum Contaminant Level (MCL)

Issue Summary

Update Maximum Contaminant Levels (MCLs) for copper and lead in Chapter 3 with the domestic or municipal supply water quality objectives set by Department of Health Services. Review all other MCLs and update as appropriate.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
12.64	\$1,132,668.00

Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
13	Implementation Plan	High	Low	107

Issue Name

Potable Water Releases to Land

Issue Summary

Amend the waiver policy to include a category 2 waiver for discharges to land from flushing and draining potable water lines and tanks. Historically the Basin Plan included this type of discharge, but it was inadvertently removed during the September 11, 2002 update.

Watershed

Region-wide ground waters

Hydrologic Unit

Region-wide ground water

Affected Waterbody(ies)

Region-wide ground water

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
12.98	\$1,163,041.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
14	Other	Medium	Low	99

Issue Name

Department of Water Resources Ground Water Basin Map

Issue Summary

Add Department of Water Resources (DWR) Groundwater Basin Map to the Basin Plan. This map depicts alluvial portions of a basin where ground water is likely to be stored or beneficially used. Concurrent with the addition of the DWR map, add a table that describes the basin number, areal extent, depth, storage capacity, and yield.

Watershed

Region-wide ground waters

Hydrologic Unit

Region-wide ground waters

Affected Waterbody(ies)

Region-wide ground waters

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
13.32	\$1,193,414.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
15	Water Quality Objective	Medium	High	95

Issue Name

Water Quality Objective for Chlorine

Issue Summary

Adopt water quality objectives for chlorine (expressed as total residual chlorine) as necessary for the protection of aquatic life.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation

Running Sum

PY	Dollars
15.8	\$1,415,835.00

Issue Submitted By

California Regional Water Quality Control Board USEPA Region 9
Department of Fish and Game

Prioritized No	Category	Generalized Rank	Complexity	Score
16	Water Quality Objective	Medium	Low	93

Issue Name

Water Quality Objective for Fluoride

Issue Summary

Update and clarify current Basin Plan water quality objectives for fluoride, in response to Metropolitan's Board of Directors recent decision to fluoridate its water supply.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
16.14	\$1,446,208.00

Issue Submitted By

Metropolitan Water District of Southern California

Prioritized No	Category	Generalized Rank	Complexity	Score
17	Beneficial Use	Medium	High	91

Issue Name

Beneficial Use RARE - Threatened and Endangered Species Found in Vernal Pools

Issue Summary

Expand species list considered in the RARE beneficial use designation, adding threatened and endangered species found in vernal pools to Table 2-1.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$222,421.00	1.17	\$104,972.00	3.65	\$327,394.00	18.62	\$1,668,629.00

Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
18	Beneficial Use	Medium	Low	90

Issue Name

Beneficial Use Designations for RARE, BIOL, SPWN & MIGR

Issue Summary

Evaluate hydrologic areas and appropriately add beneficial use designations (RARE, BIOL, SPWN, and MIGR) based on updated species lists, critical habitat designations and any other new data. Recognize areas within Region 9 that have been designated National Wildlife Refuges (NWR) by U.S. Fish & Wildlife Services.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0.61	\$54,637.00	0.95	\$85,010.00	18.96	\$1,699,002.00

Issue Submitted By

USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
19	Implementation Plan	Medium	Medium	84

Issue Name

Pollution Prevention Policy

Issue Summary

Develop and add a broad-based Pollution Prevention Policy to the Basin Plan.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation

Running Sum

PY	Dollars
20.73	\$1,857,751.00

Issue Submitted By

California Regional Water Quality Control Board Environmental Health Coalition

Prioritized No	Category	Generalized Rank	Complexity	Score
20	Water Quality Objective	Medium	Low	81

Issue Name

Water Quality Objectives by Water Body

Issue Summary

Restructure Basin Plan Chapter 3 to organize the water quality objectives table by water body. This will allow Regional Board staff and members of the public to find all water quality objectives that apply to one waterbody all in one convenient location.

Watershed

Administrative

Hydrologic Unit

Administrative

Affected Waterbody(ies)

Administrative

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
21.07	\$1,888,124.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
21	Beneficial Use	Medium	Medium	76

Issue Name

Beneficial Use of San Diego Formation

Issue Summary

Add endnote to Table 2-5 that identifies the San Diego Formation as a deep ground water aquifer with beneficial uses. Include a narrative description of the San Diego Formation with a map in Chapter 4, Groundwater Management of the Basin Plan. Re-evaluate water quality objectives in the Tijuana Valley Hydrologic Area 11.10 for the protection of usable ground waters at depth within the San Diego Formation.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Diego River	907.11	San Diego Formation ground water
Powerhouse Canyon	908.21	San Diego Formation ground water
Chollas Creek	908.22	San Diego Formation ground water
Seventh St. Channel	908.31	San Diego Formation ground water
Paradise Creek	908.32	San Diego Formation ground water
Telegraph Canyon	909.11	San Diego Formation ground water
Sweetwater River	909.12	San Diego Formation ground water
Otay River	910.20	San Diego Formation ground water
Tijuana River	911.11	San Diego Formation ground water

Resource Estimations

Investigation	Amendment	Total	Investigation
PY	Dollars	PY	Running Sum
Dollars	Dollars	Dollars	Dollars
1.77	\$158,749.00	1.03	\$92,066.00
2.79	\$250,815.00	22.84	\$2,046,873.00

Issue Submitted By

California Regional Water Quality Control Board 1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
22	Water Quality Objective	Medium	High	74

Issue Name

Water Quality Objective for Nutrients in Surface Waters

Issue Summary

Develop water quality objectives for nutrients (nitrogen and phosphorous) which are protective of beneficial uses and reflective of natural conditions in 1) flowing waters, 2) lakes and reservoirs, 3) estuaries, and 4) wetlands. The nutrient criteria in the Basin Plan are based on national USEPA guidance and do not necessarily represent actual ambient San Diego Region nutrient levels in unimpaired streams. These levels are the products of regional geochemical processes that differ in varying degrees from similar processes elsewhere in the state and nation. Development of specific nutrient criteria will entail collection of existing data and a short-term, focused water quality sampling of rivers, streams and reservoirs to establish protective standards. During development of the nutrient water quality objectives, the appropriateness of the existing nitrate surface water quality objective will be evaluated. USEPA Region 9 strongly supports developing nutrient criteria that fully reflect localized conditions and protect beneficial uses.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations

Investigation	Amendment	Total	Investigation
PY	Dollars	PY	Running Sum
Dollars	Dollars	Dollars	Dollars
2.48	\$222,421.00	1.17	\$104,972.00
3.65	\$327,394.00	25.32	\$2,269,294.00

Issue Submitted By

California Regional Water Quality Control Board
County of San Diego

Watermaster, Santa Margarita River Watershed
USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
23	Implementation Plan	Medium	Medium	74

Issue Name

Section 401 Water Quality Certification Policy and Procedures

Issue Summary

Add policy for obtaining a Clean Water Act section 401 certification. Policy would provide minimum requirements for buffers, post-construction BMPs, minimum mitigation ratios and requirements, and definitions of controversial terms (e.g., restoration, creation, wetland habitat as mitigation versus BMP). Implement a watershed approach when issuing 401 and 404 permit certification to protect beneficial uses from habitat fragmentation. The impact of multiple large-scale developments and other watershed issues should be seriously considered throughout the entire hydrologic subarea prior to the Regional Board issuing a 401 or 404 certification to individual projects especially in the Carlsbad Hydrologic Unit, Agua Hedionda Creek drainage.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations**Investigation**

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation**Running Sum**

PY	Dollars
27.09	\$2,428,043.00

Issue Submitted By

California Regional Water Quality Control Board UCSD Natural Reserve System

Prioritized No	Category	Generalized Rank	Complexity	Score
24	Water Quality Objective	Medium	High	73

Issue Name

Water Quality Objective for Hydromodification

Issue Summary

Add water quality objectives to regulate the impacts of hydromodification on hydrology. Hydrology is a critical determining factor in the support and attainment of COLD, WARM, WILD and RARE beneficial uses. Changes in stream and river hydrology can significantly alter the ability of habitat to support water quality essential to the beneficial uses (e.g. habitat for benthic macroinvertebrates, fish, amphibians, birds, and reptiles). Supporting text describing the issue and impacts should also be included.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations**Investigation**

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation**Running Sum**

PY	Dollars
29.57	\$2,650,464.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
25	Water Quality Objective	Medium	High	72

Issue Name

Index of Biotic Integrity (IBI)

Issue Summary

Refine and calibrate the Index of Biotic Integrity (IBI) as draft biological criteria and incorporate the IBI into Regional Board regulatory actions. Biocriteria/bioassessment is an important tool for assessing the health of a water body and for managing water quality and protecting aquatic life in all water bodies. Consider eventual addition of water quality objectives based on IBI.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation

Running Sum

PY	Dollars
32.05	\$2,872,885.00

Issue Submitted By

California Regional Water Quality Control Board USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
26	Implementation Plan	Medium	Medium	71

Issue Name

Erosion and Sediment Control Policy

Issue Summary

Update the Sediment and Erosion Control Policy in Chapter 4 of the Basin Plan to explain how turbidity standards are implemented, what measures are used to control turbidity when a standard is exceeded, and to reflect attainment of turbidity and clean sediment criteria as a clear goal.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation

Running Sum

PY	Dollars
33.82	\$3,031,634.00

Issue Submitted By

USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
27	Water Quality Objective	Medium	High	71

Issue Name

Water Quality Objective for Floating Material

Issue Summary

Update the water quality objective for floating material to also include materials that do not float.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation

Running Sum

PY	Dollars
36.3	\$3,254,055.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
28	Implementation Plan	Medium	Low	70

Issue Name

Watershed Management Chapter

Issue Summary

Incorporate the Regional Board's Watershed Management Chapter into the Basin Plan by reference. The Watershed Management Chapter is intended to serve as the basis for developing internal program work plans and for prioritizing work to ensure that limited resources are directed towards the most important work.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
36.64	\$3,284,428.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
29	Implementation Plan	Low	High	64

Issue Name

Seasonal Opening of Coastal Lagoon Mouths

Issue Summary

Add a regulatory policy on the seasonal opening of coastal lagoon mouths. The policy would establish guidance or criteria regarding the conditions under which lagoon mouths should be opened.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Onofre Creek	901.51	San Onofre Creek Mouth
San Mateo Creek	901.40	San Mateo Creek Mouth
San Juan Creek	901.27	San Juan Creek Mouth
Aliso Creek	901.13	Aliso Creek Mouth
Santa Margarita River	902.11	Santa Margarita Lagoon
San Luis Rey River	903.11	Mouth of San Luis Rey River
Loma Alta Creek	904.10	Loma Alta Slough
Buena Vista Creek	904.21	Buena Vista Lagoon
Agua Hedionda Creek	904.31	Agua Hedionda Lagoon
San Marcos Creek	904.51	Batiquitos Lagoon
San Dieguito River	905.11	San Dieguito Lagoon
San Dieguito River	905.61	San Elijo Lagoon
Los Penasquitos Creek	906.10	Los Penasquitos Lagoon
San Diego River	907.11	Mouth of San Diego River
Tijuana River	911.11	Tijuana River Estuary

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$222,421.00	1.17	\$104,972.00	3.65	\$327,394.00	39.12	\$3,506,849.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
30	Beneficial Use	Low	Medium	61

Issue Name

Beneficial Use Ground Water Recharge (GWR) in the San Luis Rey River Watershed

Issue Summary

Add ground water recharge as a beneficial use in the San Luis Rey River Watershed.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Luis Rey River	903.00	San Luis Rey River

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$158,749.00	1.03	\$92,066.00	2.79	\$250,815.00	40.89	\$3,665,598.00

Issue Submitted By: City of Oceanside San Luis Rey Municipal Water District

Prioritized No	Category	Generalized Rank	Complexity	Score
31	Implementation Plan	Low	High	56

Issue Name

General Stream Flow Diversion and In-Stream Treatment Policy

Issue Summary

Add a policy on low flow stream diversion discharges to a sanitary sewer collection system, and for instream treatment facilities during dry weather flow conditions. The policy would describe the requirements for low flow stream diversion discharges to a sanitary sewer and the requirements for instream treatment facilities.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation

Running Sum

PY	Dollars
43.37	\$3,888,019.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
32	Implementation Plan	Low	Medium	51

Issue Name

Constructed Wetlands Policy

Issue Summary

Add a Constructed Wetlands Policy to the Basin Plan that clarifies the applicability of water quality objectives to natural and constructed wetlands. The policy would specify circumstances under which water quality standards would apply to constructed wetlands and specify when and where wetland BMPs may be constructed. The policy would clarify the distinctions between natural and constructed wetlands.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation

Running Sum

PY	Dollars
45.14	\$4,046,768.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
33	Water Quality Objective	Low	Medium	44

Issue Name

Total Dissolved Solids (TDS) Water Quality Objectives for the Santa Margarita Hydrologic Unit

Issue Summary

Evaluate TDS water quality objectives downstream of Murrieta Creek in the Santa Margarita Hydrologic Unit. In 1990 the Regional Board relaxed the TDS water quality objectives for ground and surface waters for portions of the Santa Margarita Hydrologic Unit, with the understanding that a Reverse Osmosis (RO) treatment facility would be built further downstream to remove the added TDS. Plans to build the RO facility no longer exist. Therefore, water quality objectives need to be re-evaluated and restored to a level protective of beneficial uses.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Santa Margarita River	902.00	Santa Margarita River

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$158,749.00	1.03	\$92,066.00	2.79	\$250,815.00	46.91	\$4,205,517.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
34	Other	Low	Low	42

Issue Name

Basin Plan Introduction

Issue Summary

Update and revise Chapter 1 of the Basin Plan to improve utility and reflect current conditions, priorities and regulations applicable to the San Diego Region.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Administrative	Administrative	Administrative

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0.61	\$54,637.00	0.95	\$85,010.00	47.25	\$4,235,890.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
35	Implementation Plan	Low	Low	41

Issue Name

Onsite Sewage Treatment System Regulations

Issue Summary

Add reference to new regulations pertaining to onsite sewage treatment systems to be promulgated in 2004. California Water Code (CWC) Section 13291(e) requires the Regional Board to incorporate the new regulations into the Basin Plan.

Watershed

Region-wide ground waters

Hydrologic Unit

Region-wide ground waters

Affected Waterbody(ies)

Region-wide ground waters

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
47.59	\$4,266,263.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
36	Water Quality Objective	Low	Low	40

Issue Name

California Toxic Rule

Issue Summary

Reference the California Toxics Rule (CTR) in Chapter 3 of the Basin Plan. Add SWRCB Policy for Implementation of CTR to Chapter 5. The Basin Plan should make clear that the CTR criteria for priority pollutants (USEPA 2000) are applicable to all inland surface waters, and enclosed bays and estuaries in the San Diego Region. The Basin Plan should also include a discussion of the "Policy for Implementation of Toxic Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California" (a.k.a. SWRCB Implementation Plan or SIP).

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
47.93	\$4,296,636.00

Issue Submitted By

Sierra Club

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
37	Implementation Plan	Low	Low	39

Issue Name

Assimilative Capacity and Mixing Zones

Issue Summary

Revise and expand Basin Plan discussion on assimilative capacity (ground water) and mixing zones (surface waters). Basin Plan language should clearly define when and where ground water assimilative capacity and surface water mixing zones are applied. This discussion will provide clear direction to dischargers on allowable discharges. The assimilative capacity discussion (Basin Plan page 4-9) should also cite Section 1.4.2 of SWRCB Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, Phase I.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface and ground waters	Region-wide surface and ground	Region-wide surface and ground

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0.61	\$54,637.00	0.95	\$85,010.00	48.27	\$4,327,009.00

Issue Submitted By

California Regional Water Quality Control Board Sierra Club
Comm. Navy Reg. SW Environ. Water Prog Mgr

Prioritized No	Category	Generalized Rank	Complexity	Score
38	Implementation Plan	Low	Low	38

Issue Name

Cleanup and Abatement Policy

Issue Summary

Update the Cleanup and Abatement Policy to reflect new laws concerning cleanup and abatement options (e.g. brownfields legislation, electronic reporting requirements for underground storage tanks, etc.).

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface and ground waters	Region-wide surface and ground	Region-wide surface and ground

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0.61	\$54,637.00	0.95	\$85,010.00	48.61	\$4,357,382.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
39	Beneficial Use	Low	High	37

Issue Name

Potential Versus Existing Beneficial Uses

Issue Summary

Evaluate beneficial uses currently designated as "potential." To the extent that a beneficial use currently designated as "potential" is actually occurring in a waterbody, consider updating the beneficial use designation of that waterbody from "potential" to "existing." Investigate all surface waters that have designated potential uses. In the beneficial use tables replace open bullets with "P" for potential use and closed bullets with "E" for existing use.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
48.95	\$4,387,755.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
40	Implementation Monitoring Strategy	Low	Low	36

Issue Name

SWAMP Narrative

Issue Summary

Update the Basin Plan to recognize the Surface Water Ambient Monitoring Program (SWAMP). Add narrative text to describe this program.

Watershed

Region-wide inland surface waters

Hydrologic Unit

Region-wide inland surface waters

Affected Waterbody(ies)

Region-wide inland surface waters

Resource Estimations

Investigation

PY	Dollars
0.34	\$30,373.00

Amendment

PY	Dollars
0.61	\$54,637.00

Total

PY	Dollars
0.95	\$85,010.00

Investigation

Running Sum

PY	Dollars
49.29	\$4,418,128.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
41	Implementation Plan	Low	Medium	35

Issue Name

Precautionary Principle

Issue Summary

Include a "Precautionary Principal" in the Basin Plan as a policy for making decisions to protect water quality. When an activity raises threats of harm to human health or the environment, precautionary measures should be taken, even if some cause and effect relationships are not fully established scientifically.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation

Running Sum

PY	Dollars
51.06	\$4,576,877.00

Issue Submitted By

Environmental Health Coalition

Prioritized No	Category	Generalized Rank	Complexity	Score
42	Beneficial Use	Low	High	30

Issue Name

Designation of South San Diego Bay as an Area of Special Biological Significance (ASBS)

Issue Summary

Evaluate south San Diego Bay to determine if it should be designated as an Area of Special Biological Significance (ASBS).

Watershed

San Diego Bay

Sweetwater River

Otay River

Hydrologic Unit

909.00

910.00

Affected Waterbody(ies)

Sweetwater River

Otay River

Resource Estimations

Investigation

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation

Running Sum

PY	Dollars
52.83	\$4,735,626.00

Issue Submitted By

Environmental Health Coalition

Prioritized No	Category	Generalized Rank	Complexity	Score
43	Beneficial Use	Low	High	21

Issue Name

Beneficial Uses Designated in Chollas Creek

Issue Summary

Remove current designated beneficial uses for Chollas Creek. The current WILD and WARM designations are not supported by evidence. Evaluate the designation of potential REC1 and REC2 for areas that are channelized.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Chollas Creek	908.22	Chollas Creek
San Diego Bay		

Resource Estimations			Investigation		
Investigation		Amendment	Total		Running Sum
PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$158,749.00	1.03	\$92,066.00	2.79	\$250,815.00
				54.6	\$4,894,375.00

Issue Submitted By

City of San Diego

Prioritized No	Category	Generalized Rank	Complexity	Score
44	Beneficial Use	Low	High	16

Issue Name

Beneficial Uses of Shallow "Urban" Groundwater

Issue Summary

Consider removal of beneficial uses for shallow, brackish, "urban" groundwater (that does not meet the definition of an aquifer) and endorse brownfields redevelopment tools.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide ground waters	Region-wide ground waters	Region-wide ground waters

Resource Estimations			Investigation		
Investigation		Amendment	Total		Running Sum
PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$222,421.00	1.17	\$104,972.00	3.65	\$327,394.00
				57.08	\$5,116,796.00

Issue Submitted By

Environmental Business Solutions

Prioritized No	Category	Generalized Rank	Complexity	Score
45	Beneficial Use	Low	High	15

Issue Name

Beneficial Uses of Waters in Public Access Restricted Areas

Issue Summary

Remove beneficial uses such as contact recreation (REC-1) in flood control areas and reservoirs where public access is restricted. Revise designated beneficial uses to recognize flood control and its incompatibility with beneficial uses on a case by case basis, such as Forrester Creek and Chollas Creek. Remove REC-1 beneficial uses from Loveland and Sweetwater Reservoirs. Change REC-2 for Sweetwater Reservoir from existing to potential.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY	Dollars
2.48	\$222,421.00

Amendment

PY	Dollars
1.17	\$104,972.00

Total

PY	Dollars
3.65	\$327,394.00

Investigation

Running Sum

PY	Dollars
59.56	\$5,339,217.00

Issue Submitted By

City of El Cajon

City of San Diego

Sweetwater Authority

Prioritized No	Category	Generalized Rank	Complexity	Score
46	Beneficial Use	Low	Medium	10

Issue Name

Beneficial Uses along the Southern Boundary of the Salt Creek Area

Issue Summary

Extend the southern boundary of the Salt Creek Area to encompass the adjacent site of the former Omar Class I waste facility. This would remove beneficial uses over a larger area as described in Resolution No. 88-49. Resolution 88-49 amended the Basin Plan by deleting beneficial use designations other than for industrial use, for a portion of the Salt Creek Area within the Otay Hydrologic Area (910.20) limited to lands within and tributary to Salt Creek and Poggi Canyon utilizing a 3,000 mg/l TDS contour.

Watershed

Otay River

Hydrologic Unit

910.20

Affected Waterbody(ies)

Salt Creek

Resource Estimations

Investigation

PY	Dollars
1.77	\$158,749.00

Amendment

PY	Dollars
1.03	\$92,066.00

Total

PY	Dollars
2.79	\$250,815.00

Investigation

Running Sum

PY	Dollars
61.33	\$5,497,966.00

Issue Submitted By

Otay Mesa Ventures II, LLC

Prioritized No	Category	Generalized Rank	Complexity	Score
47	Implementation Plan	Low	Low	5

Issue Name

Desalination Plants

Issue Summary

Identify seawater desalination plants as sources of industrial wastes in the Basin Plan. Evaluate the potential harm and/or destruction of marine life by the intake structure and possible degradation of the ocean waters by the disposed brine waste.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Onofre Creek	901.51	San Onofre Creek Mouth
San Mateo Creek	901.40	San Mateo Creek Mouth
San Juan Creek	901.27	San Juan Creek Mouth
Aliso Creek	901.13	Aliso Creek Mouth
Santa Margarita River	902.11	Santa Margarita Lagoon
San Luis Rey River	903.11	Mouth of San Luis Rey River
Loma Alta Creek	904.10	Loma Alta Slough
Buena Vista Creek	904.21	Buena Vista Lagoon
Agua Hedionda Creek	904.31	Agua Hedionda Lagoon
San Marcos Creek	904.51	Batiquitos Lagoon
San Dieguito River	905.11	San Dieguito Lagoon
San Dieguito River	905.61	San Elijo Lagoon
Los Penasquitos Creek	906.10	Los Penasquitos Lagoon
San Diego River	907.11	Mouth of San Diego River
Tijuana River	911.11	Tijuana River Estuary

Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$30,373.00	0.61	\$54,637.00	0.95	\$85,010.00	61.67	\$5,528,339.00

Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
48	WQTMDL	Removed		0

Issue Name

Total Maximum Daily Load (TMDL) in Laguna Canyon, Aliso, Salt, and San Juan Creeks

Issue Summary

Develop TMDL's to protect continued uses of Laguna Canyon, Aliso, Salt, and San Juan Creeks for contact recreation (REC-1) and continue listing them with REC-1 beneficial use.

Watershed

Aliso Creek

Hydrologic Unit

901.13

Affected Waterbody(ies)

Aliso, Salt and San Juan Creeks

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

Clean Water Now

Prioritized No	Category	Generalized Rank	Complexity	Score
49	Implementation Monitoring Strategy	Removed		0

Issue Name

Interactive Database System with GIS Component for San Diego Ambient Monitoring Program (SDAMP)

Issue Summary

Implement an interactive database system with GIS component as an electronic warehouse for ambient and discharge monitoring data. It could be used to develop a San Diego Ambient Monitoring Program (SDAMP) for managing coastal and wetland/riparian monitoring data within a whole watershed framework that can accommodate citizen monitoring and professional monitoring data. The Central Coast Ambient Monitoring Program (CCAMP) software should be adapted and implemented in San Diego.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

San Elijo Lagoon Conservancy

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
50	Implementation Plan	Removed		0

Issue Name

Electronic tracking system for 401 and 404 Permit Certification

Issue Summary

Utilize an electronic system with a GIS component to implement a watershed approach when issuing 401 and 404 permit certification. The impact of multiple large-scale developments and other watershed issues should be seriously considered throughout the entire hydrologic subarea prior to the Regional Board issuing a 401 or 404 certification to individual projects.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY	Dollars
61.67	\$5,528,339.00

Issue Submitted By

UCSD Natural Reserve System

Prioritized No	Category	Generalized Rank	Complexity	Score
51	Implementation Discharge Prohibition	Removed		0

Issue Name

Waste Discharge Requirement Policy - Waiver #4

Issue Summary

Remove waiver #4 in Table 4-4 to prohibit discharge of Recreational Vehicle (RV) wastes into septic sewerage systems at campgrounds. Evaluate how waiver #4 addresses RV holding tank treatment chemicals (particularly formaldehydes). Evaluate the affect RV holding tank treatment chemicals have on the performance of campgrounds wastewater package plants.

Watershed

Region-wide ground waters

Hydrologic Unit

Region-wide ground waters

Affected Waterbody(ies)

Region-wide ground waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY	Dollars
61.67	\$5,528,339.00

Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
52	Water Quality Objective	Removed		0

Issue Name

Water Quality Objective for Flow

Issue Summary

Add water quality objectives for flow into the Basin Plan.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY	Dollars
61.67	\$5,528,339.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
53	Water Quality Objective	Removed		0

Issue Name

Water Quality Objectives for Invasive Species

Issue Summary

Add water quality objectives for invasive species to protect beneficial uses. Invasive species are a significant and ever-increasing threat to the beneficial uses of the San Diego Region. The development of narrative or numeric water quality objectives for invasive species is needed to protect beneficial uses throughout the Region.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY	Dollars
61.67	\$5,528,339.00

Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
54	Water Quality Objective	Removed		0

Issue Name

Water Quality Objective for Fish Tissue

Issue Summary

Add water quality objectives for pollutant levels in fish tissue (based on MTRLs, FDS Action Levels, USEPA Screening Values). Add text to the Basin Plan describing the significance of tissue levels and the available criteria and screening levels that the Regional Board currently uses. USEPA Region 9 supports adding a water quality objective for fish tissue and subsistence fishing.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY	Dollars
61.67	\$5,528,339.00

Issue Submitted By

California Regional Water Quality Control Board USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
55	Implementation Discharge Prohibition	Removed		0

Issue Name

Prohibition of Recreational Vehicle (RV) Wastes into Campground Septic Systems

Issue Summary

Prohibit disposal of RV wastes into septic systems and update Chapter 4 to comply with the USEPA Underground Injection Control Program (large scale septic systems) and the Safe Drinking Water Act.

Watershed

Aliso Creek

Hydrologic Unit

901.13

Affected Waterbody(ies)

Laguna Canyon, Aliso, Salt and San Juan Creeks

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY	Dollars
61.67	\$5,528,339.00

Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
56	Implementation Plan	Removed		0

Issue Name

Environmental Justice Policy

Issue Summary

Develop an Environmental Justice Policy to address the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, or policies. (Senate Bill 115, Solis, 1999; California Government Code Section 65040.12(c).

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

Environmental Health Coalition

Prioritized No	Category	Generalized Rank	Complexity	Score
57	Beneficial Use	Removed		0

Issue Name

Beneficial Uses in the Santa Margarita Hydrologic Unit

Issue Summary

Evaluate appropriateness and consider the removal of COLD and SPWN as beneficial uses in the Santa Margarita Hydrologic Unit (902.00) since natural temperature and low flow conditions prevent attainment of those uses.

Watershed

Santa Margarita River

Hydrologic Unit

902.10, 902.20

Affected Waterbody(ies)

Santa Margarita River

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

Watermaster, Santa Margarita River Watershed

Prioritized No	Category	Generalized Rank	Complexity	Score
58	Water Quality Objective	Removed		0

Issue Name

Water Quality Objectives for Seasonal Flow Conditions

Issue Summary

Incorporate seasonal flow conditions into water quality objectives, setting different objectives for high and low flow conditions.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

County of Orange

Prioritized No	Category	Generalized Rank	Complexity	Score
59	Water Quality Objective	Removed		0

Issue Name

Factors Listed in California Water Code Section 13241

Issue Summary

Re-evaluate all current water quality objectives using factors listed under California Water Code Section 13241. All of the factors, particularly economic considerations and the need for housing, may not have been evaluated during the development of the water quality standards. The Regional Board may not have considered the Section 13241 factors for the current situation where the standards are being used to regulate non-point sources and Municipal Separate Storm Sewer System dischargers, a change of circumstances that certainly would affect economic considerations, at a minimum.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

Construction Industry Coalition on Water Quality County of Orange

Prioritized No	Category	Generalized Rank	Complexity	Score
60	Beneficial Use	Removed		0

Issue Name

Procedures for Beneficial Use Designation and Dededesignation

Issue Summary

Establish procedures for identifying and removing beneficial use designations that are nonexistent or possibly unattainable. Develop criteria for appropriately designating beneficial uses to reflect actual and intended uses. Clarify the term "potential use" and correct inappropriate designations.

Watershed

Region-wide surface and ground waters

Hydrologic Unit

Region-wide surface and ground

Affected Waterbody(ies)

Region-wide surface and ground

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

City of El Cajon

Industrial Environmental Association

Construction Industry Coalition on Water Quality

Prioritized No	Category	Generalized Rank	Complexity	Score
61	Water Quality Objective	Removed		0

Issue Name

Non-Point Source Water Quality Objectives

Issue Summary

Re-evaluate all water quality objectives and add water quality objectives that are specific to non-point source discharges (i.e. stormwater) considering natural factors and seasonality.

Watershed

Region-wide surface waters

Hydrologic Unit

Region-wide surface waters

Affected Waterbody(ies)

Region-wide surface waters

Resource Estimations

Investigation

PY Dollars

Amendment

PY Dollars

Total

PY Dollars

Investigation

Running Sum

PY Dollars
61.67 \$5,528,339.00

Issue Submitted By

Construction Industry Coalition on Water Quality

Resource Estimations for All Basin Plan Issues

Investigation

PY Dollars
61.67 \$5,528,339.00

Amendment

PY Dollars
40.5 \$3,629,711.00

Total Expenditure

PY Dollars
102.0 \$9,158,064.00

Total Resource Deficit

PY Dollars
-97 (\$8,770,656.00)